

ABSTRACT

The invention relates to a camshaft adjuster (1) for adjusting and fixing the relative position of the angle of rotation of a camshaft (8) in relation to a crankshaft of a reciprocating piston internal combustion engine.

- 5 The adjusting device comprises a high transmission and friction-reduced adjusting gear mechanism (2), comprising a drive shaft which is rotationally fixed to the crankshaft, a driven shaft which is rotationally fixed to the camshaft (8) and an adjusting shaft (9) which is connected to an adjusting motor shaft (10) of an adjusting motor. A camshaft adjuster (1), which is
- 10 economical to run, can be produced such that the adjusting gear mechanism (2) and the adjusting motor (3) are embodied as separate units and are connected together by a rotational backlash-free, disengaging coupling (4).